

# Atlantic City DER Recurrent Seminar – May 4, 2004

## **Policy on Parts Manufacturer Approval**

### Revising Order 8110.42

Karen Grant  
NE EP&D  
May 2004

Slides Courtesy of John Milewski  
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AIR-110

### PMA Policy Initiatives

- Aviation Rulemaking Advisory Committee (1991)
  - ◆ Part 21 changes in two phases
  - ◆ Commercial parts
  - ◆ Separate design and production approvals
- Extracted PMA policy issues from rulemaking effort
- Coordinated with industry to select top issues
- Candidates for next revision of PMA Order

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### Revision Goal

- Foster a consistent & timely PMA process
  - ◆ Clarify policy & language
  - ◆ Add explicit examples
  - ◆ Elaborate on DER data approvals
  - ◆ Clarify on test and computation
  - ◆ Provide FAA engineers with ready references
  - ◆ Make administrative changes easier

### Strategy & Approach

- Amplify and clarify order within existing regulations
- Start with industry draft
- FAA Working Group review
- Concurrent external reviews
  - ◆ HQ, Management Teams & Service reviews
  - ◆ Public review & comment

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### 2004 Revision Schedule

- |                       |          |
|-----------------------|----------|
| ■ First draft         | March    |
| ■ FAA internal review | Mar-May  |
| ■ Public Comment      | Apr-Aug  |
| ■ Release             | Apr 2005 |

### FAA Working Group

- |                   |                    |
|-------------------|--------------------|
| ■ John Milewski   | Team Lead          |
| ■ Bruce Kaplan    | PMA Guru           |
| ■ Michael Shiefer | Production Liaison |
| ■ Steve Kolb      | LAACO Engineer     |
| ■ Jurgen Priester | SWACO Engineer     |
| ■ Karen Grant     | NEEPD Engineer     |
| ■ Terry Fahr      | BOSACO Engineer    |
| ■ Wego Wang       | NEECO Engineer     |

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## **Policy on Parts Manufacturer Approval**

### Revision Scope

- Make changes in installation eligibility easier & faster
- Use of Designated Engineering Representatives (DER)
- Advocate use of Project Specific Certification Plan process
- List various definitions for critical part
- Provide ready references to expertise
- Statistical sampling for quality control

### Plain Language

- Revised order will look markedly different
  - ◆ Better readability
  - ◆ Organized better
  - ◆ Less layering of topics
  - ◆ Errors corrected
- More examples and references in appendices

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### Expectations

- A more consistent process
  - Timely
  - Focused areas
  - Plain language
  - Concurrent reviews
- 
- Draft order distributed this March within FAA